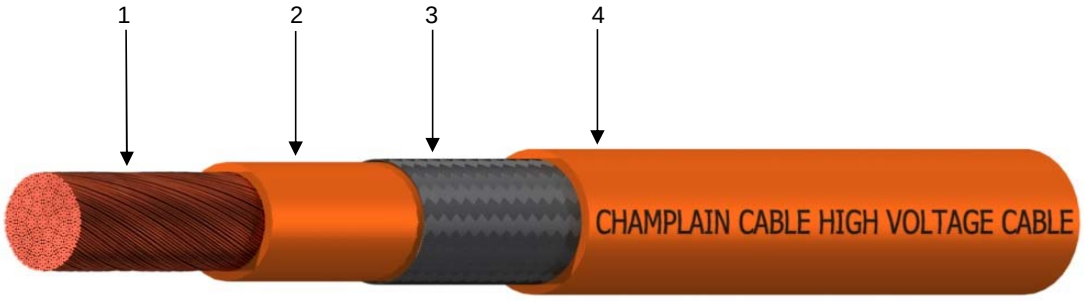
REV.	DESCRIPTION	DATE
0	Initial release.	10/30/2015
1	Decreased Jacket Diameter to fit TE connector	12/17/2017

General Properties High voltage 50mm^2 798/.28mm BC HVFX/XLE Shielded Thick wall Cable

Application Hybrid or Electric powered Vehicles

General Composition of Cable See Below



Color Code

Inner	Orange
Outer Jacket	Orange

Physical Data

	Description				Dimensions (Nom.) inches	mm
1.	Conductor:	50mm2 798/.28mm Bare Copper			0.390	9.91
2.	Insulation:	EXRAD HVFX wall thickness:	50	mil	0.490	12.45
3.	Shield	36 AWG Tinned Copper Braid, 95% coverage-Nominal			0.513	13.03
4.	Jacket	EXRAD XLE wall thickness:	68	mil	0.649	16.48
				OD Tolerance	+/- 0.015"	+/- 0.38mm

Print Legend: Champlain Cable 50mm^2 HVFX/XLE Shielded High Voltage Cable 15220 XXXXX
XXXXX = Traveler Number

Electrical Data

Resistance	0.343max mOhm/M at 20°C
Voltage Rating	1,000 volts maximum per SAE J1654

General Data

Use:	High Voltage Power Cables for Electric or Hybrid Vehicles	
Temperature Range:	-55º C to +150º C	
Primary Insulation	Meets Requirements of ISO 6722 Class D, Thick Wall	
Jacket Insulation	Meets Performance Requirements of ISO 6722 Class D	
Min. Static Bend Radius:	inches	mm
	1.9	49

CHAMPLAIN CABLE
175 HERCULES DRIVE
COLCHESTER, VT 05446
802-654-4200

TITLE

50mm^2 798/.28mm BC HVFX/XLE Shielded Thick Wall

UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES

DO NOT SCALE THIS DRAWING

DRN. Michael Cienkus		DATE 10/30/2015
CKD. Nathan Bacon		DATE 10/30/2015
SIZE A	PART NUMBER	DOCUMENT NUMBER 15220-A